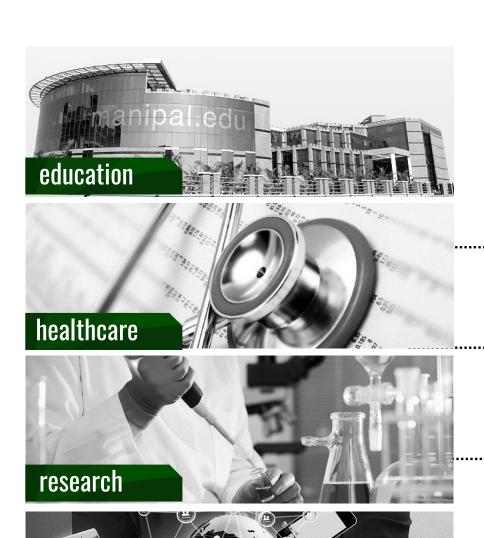






MEMG group

CHARTING NEW FRONTIERS IN THE KNOWLEDGE INDUSTRY



assessments

MEMG IN NUMBERS

3
Universities in India



5
International Campuses



80+
Countries represented by our students



400,000+



Active students



1,000,000+ Alumni Network



Manipal Campus



Manipal Academy of Higher Education, Manipal



Sikkim Manipal University, Sikkim



Manipal University, Jaipur



American University of Antigua, Antigua



Manipal Academy of Higher Education, Dubai



Manipal International University, Malaysia



Melaka Manipal Medical College, Malaysia

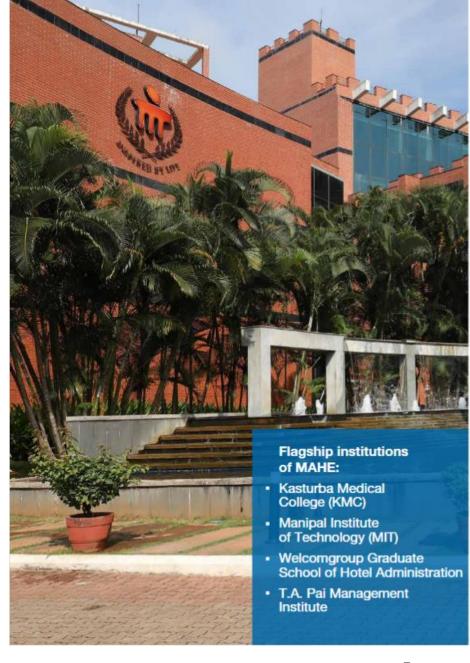


About MAHE



Started in 1953 with Kasturba Medical College, Manipal Academy of Higher Education (MAHE) is one of India's leading academic and research institutions. It is a globally engaged institution with active partnership with more than 250 leading universities around the globe.

of Eminence' granted by the Ministry of Education, Government of India. It is amongst the handful of private institutions in India to have received this prestigious recognition, further accentuating its status as a world-class institution for higher education.





MAHE Rankings and Accreditations









2021 - University

Asia 194

2022

401-600

THE Impact Rankings - 2022



351-400

THE Young University Rankings - 2022



2

2021 - ICARE (Top Deemed University)





2

2022-23 - (Private University in India)



MAHE - Industry Collaboration

18 Research Centers

37 Institutes to support **Industry** collaboration































MUJ Rankings and Accreditations















AICTE Bar Council of India

Council of Architecture

NAAC A+ Grade with 3.28 Score



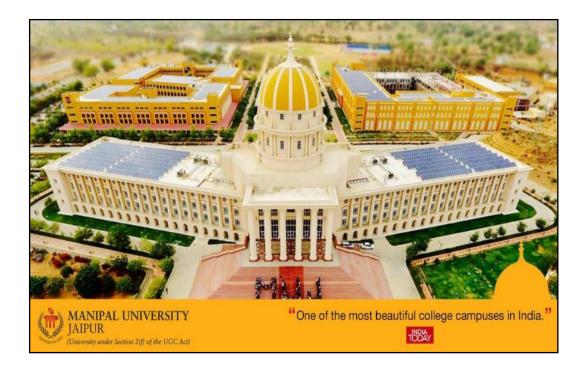
About MUJ



Manipal University Jaipur (MUJ) is a decade old UGC-approved university that has impactfully redefined excellence in higher education. The **NAAC A+** university has stood as a pioneer paving the way for industry-focused education to boost the employability, earning potential, and self-confidence of the youth.

The multi-disciplinary university inspires learners of all disciplines to study and innovate through practical, hands-on experience.

The online degrees from MUJ are taught by world-class faculty and offer mentorship to the learners. It has received premium recognitions like **AICTE**, **ACU** etc.

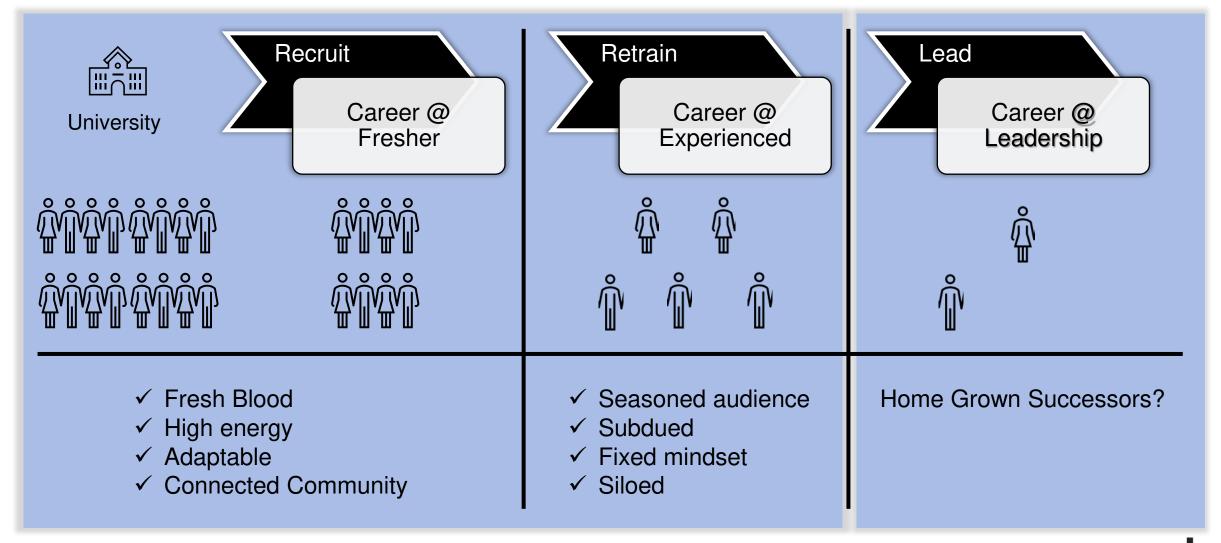








The Challenge





Industry Expectations

Pre-Digital Era

- ☐ Building from scratch
- ☐ Expert in single technology stack/domain
- □ Articulate functionality
- ☐ Focused on implementation
- ☐ First available solution

Digital Era

- ☐ Co-Create & Collaborate
- ☐ Broad based in skills
- ☐ Articulate to tell the story
- ☐ Focused on business outcomes
- Best fit solution



Approach

Traditional Approach

- ☐ JIT trainings Addressing immediate need
- ☐ Short lived benefit
- ☐ High on Technical/Functional skills
- ☐ Shallow on professional & leadership skills
- ☐ Lacks holistic development

The Right Approach





Work Integrated Learning Programs(WILP)

☐ Customized to meet business/industry needs	☐ Back to School
□ WIN-WIN	Connected Community & Culture of learning
☐ Institute of Repute	☐ Self-esteem
☐ Aspirational qualification	☐ Retain & Nurture internal talent
☐ Access to experts from academia & industry	☐ Basically "Brings the Zing back"!



Work Integrated Learning Program – What?

A blend of academic learning and practical work experience.







Upskilling



Programs Offered

Certification Program

3 - 9 Months

PG Diploma Program

1 Year



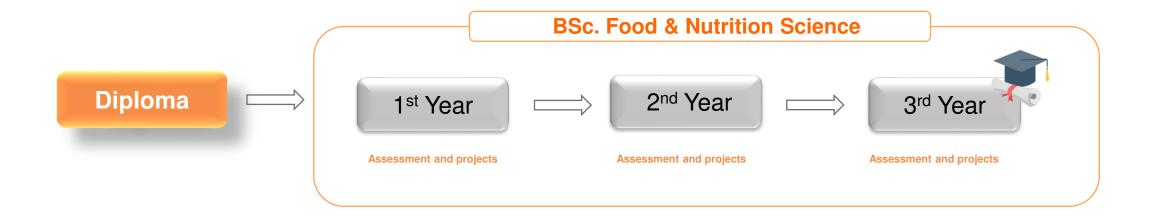
Degree / Certification

Post Graduation Program

2 Years



Journey - Continuing Education





Note: Similar path can be created for participants who have completed ITI Certification depending on their background and approval from the University



Work Integrated Learning Program – Key Elements



Industry Customized Curriculum



Sessions covered over the weekends (VILT / F2F)



Assessments (Aligned with University norms)



Hands on Assessment (70 % Weightage)



Modular Case Studies (Industry Relevant)



Practitioners (From Industry & Academy)



Campus Immersions @ University



Co - branded Certification



Work Integrated Learning Program (WILP) - Offerings

PG Certificate Programs

PG Diploma Programs

Masters Programs

Integrated Masters Programs PhD Programs

6 Months

1 to 2 Years

2 Years

4 to 5 Years

4 Years

Science & Technology

- Computer Science
- Software Design Engineering
- Networking
- Data Science
- Cybersecurity
- Artificial Intelligence
- Full Stack
- Big Data Analytics
- Cloud Computing
- Fintech
- VLSI Design
- Embedded Systems
- Food & Nutrition Science



Management

- Banking & Financial Services
- Logistics & Supply Chain Management
- Pharma Management
- Healthcare Management
- Fashion Management
- Data Science
- Business Analytics



Pharma And Health

- Drug Regulatory Affairs
- Pharmacometrics
- Health Economics
- Public Health
- Medical Writing
- Health Informatics
- Health Care Administration



Work Integrated Learning Program – Why

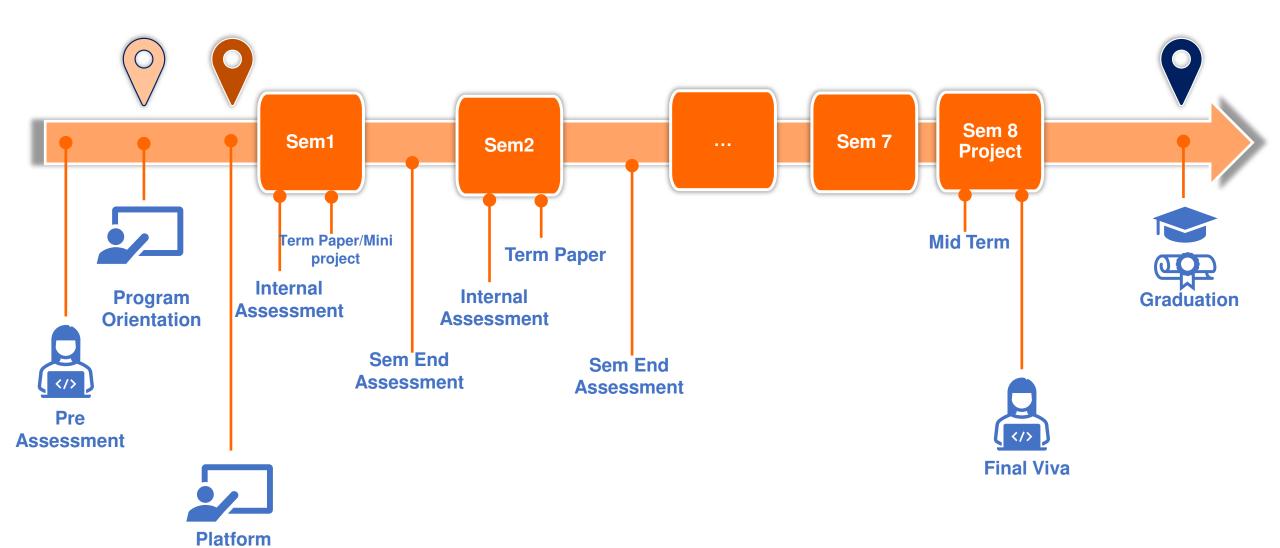
- Continuous Learning: Opportunities to update and expand skill sets.
- Practical Application: Direct application of new knowledge to current job roles.
- Career Advancement: Increased chances of promotion / smooth transitions into new roles or departments due to enhanced skills and qualifications.
- Professional Connections: Building relationships with peers, mentors, and industry leaders.
- * Collaborative Learning: Engaging with a diverse group of professionals enhances learning through shared experiences.
- Industry Relevance: Staying updated with industry trends and technologies, making them more relevant and valuable to employers.
- Flexible Learning: Often designed to accommodate working schedules, allowing professionals to learn without disrupting their careers.





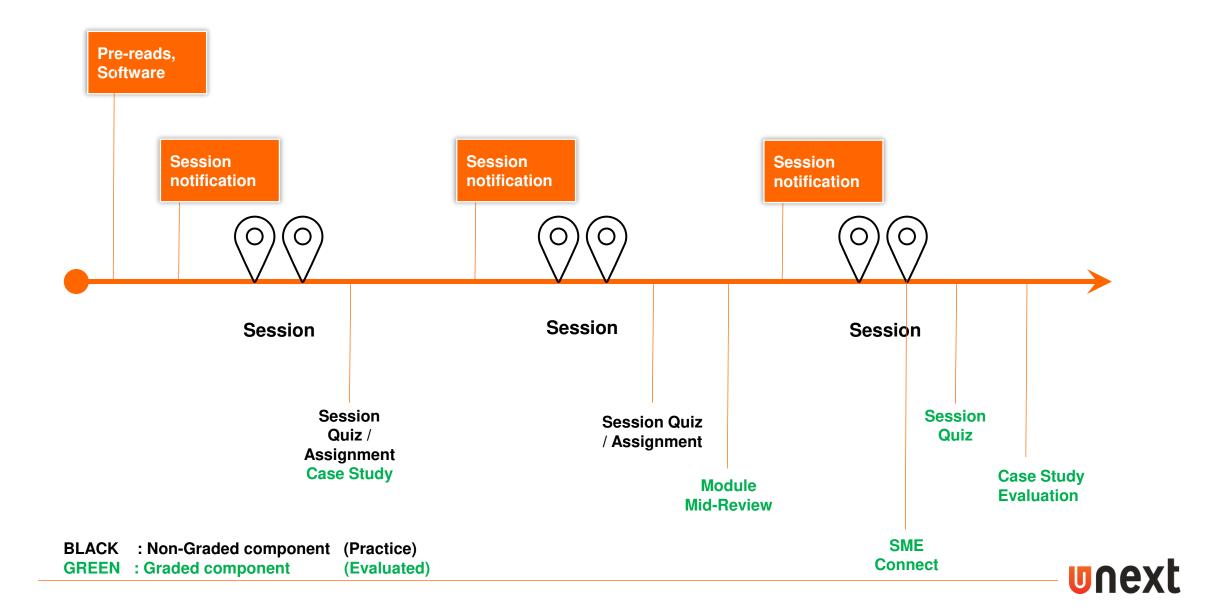
Work Integrated Learning Program – How

Orientation





Typical Module – Learning Experience

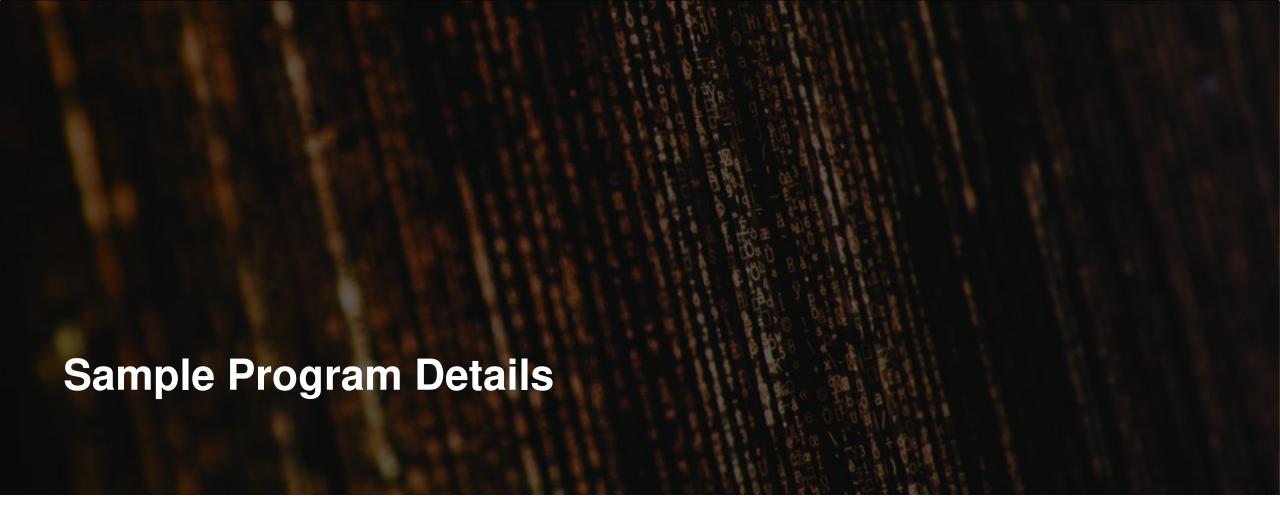


Immersion at Campus



Immersion at Manipal Campus







Integrated M.Tech in Computer Science - Program Curriculum

PGD							
	Semes	ter 1					
SI No	Subject	Theory / Lab	L	Т	P	С	
1	Databases (SQL/No SQL)	Theory/ Lab	2	1	3	4	
2	Problem Solving with Data Structures & Algorithm (Python/Java/C++)	Theory/ Lab	3	0	3	4	
3	Computer Organization & Architecture	Theory	2	1	0	3	
4	Secure Data Communication & Networking		2	1	0	3	
5	Unix OS & Shell Scripting	Theory/ Lab	3	0	3	4	
6	Data Analytics with Python	Theory/ Lab	1	0	3	2	
	Total Cred	its				20	

MSc								
Semester 3								
SI No	No Subject Theory / Lab L T P							
1	Software Project Mgmt & Quality Assurance	Theory/Lab	3	1	0	4		
2	OOAD	Theory			0	3		
3	Cloud Native Architecture - MicroService	Theory/Lab	2	1	3	4		
4	Exploratory Data Analytics	ta Theory		0	0	3		
5	Data Warehousing & BI	Theory/Lab	2	0	3	3		
6 Professional Elective 1 Theory 3 0					0	3		
	Tota	l Credits				20		

MTech								
Semester 5								
SI No	Subject							
1	Application Orchestration	Theory/Lab	3	0	3	4		
2	Application Building & Testing Strategies - DDD, BDD, MDD, TDD	Theory/Lab	2	0	3	3		
3	Research Methodology and IPR	Theory	2	0	0	2		
4	Big Data with Hadoop / Data Stream with Spark	Theory/Lab	3	0	3	4		
5	Internet of Things	Theory	2	0	3	3		
6	Professional Elective3	Theory	4	0	0	4		
	Total C	redits				20		

	MTech					
	Semester 7					
SI No	SI No Subject					
1	1 Project-Phase1					
2	1					
Total Credits 15						

	PGD								
	Semester 2								
SI No	Subject Theory / L T P								
1	Software Engineering - Agile Methodology	Theory	2	1	0	3			
2	Intro to Domain	Theory	2	1	0	3			
3	Web Programming	Theory/Lab	2	0	6	4			
4	Server Side Programming	Theory/Lab	2	0	6	4			
5	Introduction to Cloud Computing	Theory/Lab	1	0	3	2			
6	6 Project - Fullstack 0 0 12					4			
	Total	Credits				20			

	MSc								
	Semester 4								
SI No	Subject Theory / Lab L T P								
1	Cloud Security	Theory/Lab	2	0	3	3			
2	Mobile Appln. Development	Theory/Lab	2	0	3	3			
3	Machine Learning Algorithms	I neory/Lan		0	3	4			
4	Data Engineering Theory/Lab		2	0	3	3			
5	Professional Elective 2	Theory		0	0	3			
Project - Cloud 6 Migration & Project Deployment			0	0	12	4			
	Tota	l Credits				20			

	MTech								
	Semester 6								
SI No	Subject Theory / L T P								
1	Block Chain Architecture and Application	Theory	2	0	0	2			
2	Cybersecurity and Cyberlaw	and Theory/Lab		0	3	4			
3	High Performance Computing	I heov/I ah		0	3	4			
4	Big Data Analytics	Theory/Lab	3	0	3	4			
5	Open Elective 1 (mandatory "intro to domain" for lateral entry) one from six (domain)		3			3			
6	6 Professional Elective 4 Theory					3			
	Total	Credits				20			

	MTech					
	Semester 8					
SI No	SI No Subject					
1	1 Project-Phase2					
	Total Credits					







Program Credits and Delivery Model

- The educational process uses the credit-based system wherein the subject content is expressed in number of credits
- The content of individual subject —Theory + Practical is expressed in terms of certain no of credits. The number of credits assigned to a subject depends on the number of contact hour per week.
- A candidate is deemed to have successfully completed a term's program of study when he/she
 earns all the credits for the term
- When a candidate earns specified number of credits in all the subjects of the program, he/she
 is deemed to have completed the requirement for graduation.
- Program is delivered in hybrid model (Face Face + Online)
- Student has to attend webinars/classes and should maintain a minimum of 85% attendance per subject



Program Credits and Delivery Model

Relative Grading System

- ✓ Requirement for getting a pass grade is:
 - A minimum score of 35% in Term End Examination AND
 - The sum of the scores secured in Internal Assessment and Term End Examinations should be 40%.
- √ 10-point scale with Letter grades:

Grade Points	10	9	8	7	6	5	0
Grade	A+	Α	В	С	D	Ε	F (Fail)

Grade I in a subject indicates that the candidate has failed to appear for the Term End Examination.



Measure of Progress through Assessment

- Each subject is evaluated 100 Marks
- 50 Marks are for Internal Assessment (IA) & 50 Marks for the Final Assessment (FA)
- Passing Minimum is 35 % in Final Assessment
- Eligible for the award of certificate, the candidate has to score minimum of 40% overall in IA and FA put together
- A candidate is deemed to have failed in a subject / course if he / she fails to score a minimum of 35% in the FA and 40% when IA and FA scores are put together.



Evaluation Methodology

Assessments:

- Each Subject 100 Marks
- ▶ Internal Assessments Marks & 50% of Final Assessments Marks
- Internal Assessments: MCQ Quiz (30 Marks) + Graded Assignments (20 Marks)
- Final Assessment: 100 Marks
- Minimum 35% to pass the Final Assessment

Internal Assessments Pattern:

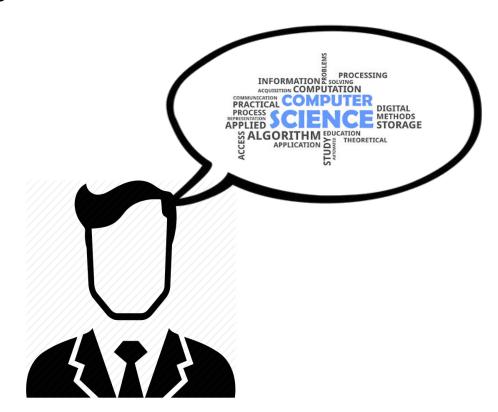
- Best Two of minimum Three Internal Assessment / Quiz summing to 30 marks (2 X 15 Marks)
- ▶ Best Two of minimum Three Assignments / Labs / Case Studies summing to 20 Marks (2 X 10 Marks)
- ▶ Total: 50 Marks



Experienced Faculty



Certified Faculty



Practitioners with rich industry & academic experience



Highly rated faculty members in the system



Faculty Pool









Training Service Providers

Boutique Consulting Organizations

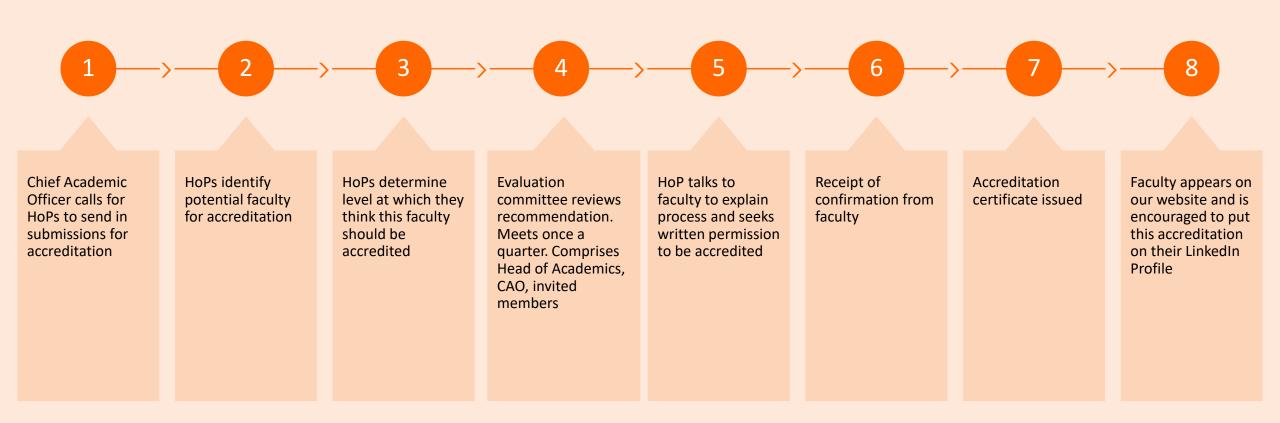
Practitioners

Faculty Accreditation Process

Faculty Retention Strategy



Faculty Accreditation Process





Faculty Checklist



- ✓ Before starting the session, faculty ensures the following:
 - ✓ Prepare lesson plan for every hour and keep all the documents, code snippets, handouts, worksheets etc ready
 - ✓ Keep enough time for Q&A. After every lecture of 3-4 mins at least one question should be asked to ensure participation and attentiveness
- ✓ Individual attention and leverage pedagogy practices
- ✓ Display high energy throughout the session to keep the learners motivated
- ✓ Standardised detailed TOC
- ✓ Standardised set of assignments and quizzes
- ✓ Topic completion checklist to be shared by every faculty on day-today basis



Program – Driven through LMS Platform

LMS platform has:

Content

- Presentation deck
- Self paced (Videos)
- Reading material
- Recorded sessions

Assignment

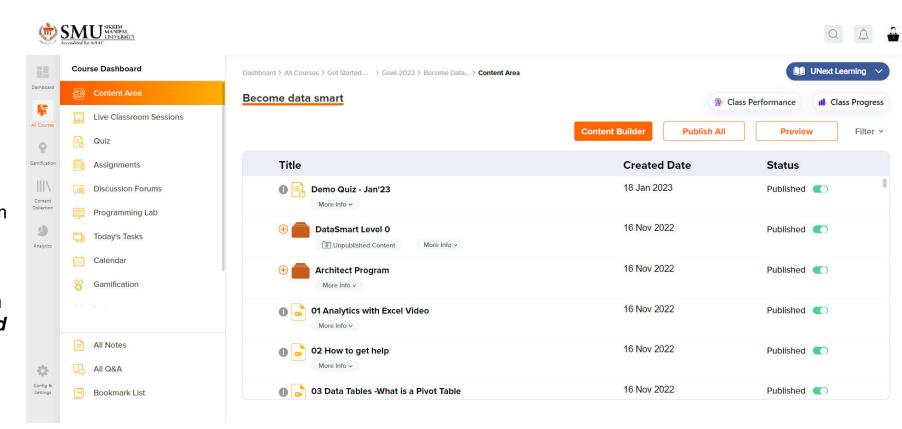
- Quizzes
- Coding Integrated coding platform

Assessment

- MCQ
- Coding
 — Integrated coding platform
- · Camera based Remote Proctored

Performance

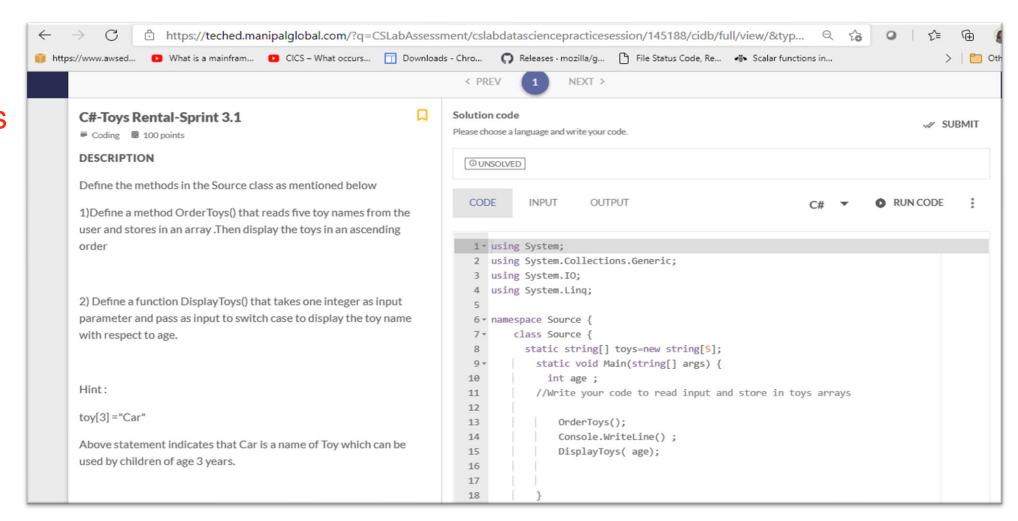
- Grade book
- Leader board





Programming Environment

Code – based Assessments





Assessment Framework

Assessment Types

MCQ

Coding Platform Assessments

Short Case Study Assessments

Long Case study Assessments

Mid-Projects

Mini-Projects

Integrated Capstone Projects

Capstone Projects

Evaluation Types

Faculty Evaluation

Peer Evaluation

Mentor Evaluation

Qualitative Evaluation (Communication, Technical, Engagement)

Viva Evaluation

Presentation Evaluation

System/Tools Evaluation

Proctor Types

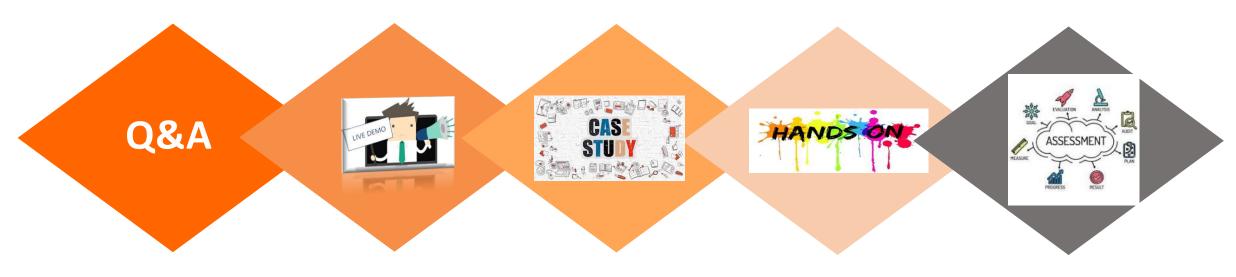
Human Proctored

Camera Proctored

Non-Proctored



Assessments: Continuous Measuring of Learning Outcomes



Session starts with Rapid Fire Round Frequent Q&A during the sessions Learners to identify the next line of code, errors if any during code demonstration

Case studies to measure application of learning Code challenges assignments on a daily basis

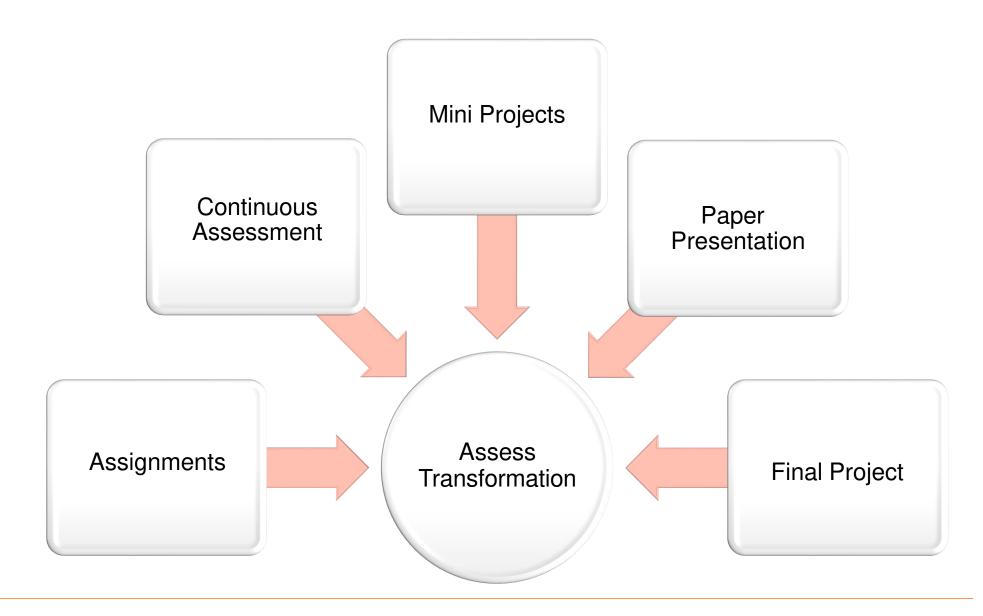
Frequent assessments (MCQ and Coding) with remote proctoring option.

QUALITATIVE

QUANTITATIVE



Enabling and measuring learning outcome





Remote Proctoring

Camera based *remote proctoring*

- Preliminary system check for parameters
- Real time AI-ML based alerts on attempts to malpractice
- Automated credibility scores
- Artefacts captured for post facto verification

Person ID	Assessment ID	Date of Test [YYYY-MM-DD]	Pre Assessment – Slot 3 Dec 23 (Score)	Pre Assessment - Slot 3 Dec 23 (%)	RP Score	Status
133699	140053	2020-12-23	11	44	91	GRADED
133700	140053	2020-12-23	15	60	0	GRADED
133701	140053	2020-12-23	12	48	88	GRADED
133702	140053	2020-12-23	6	24	94	GRADED
133705	140053	2020-12-23	6	24	91	GRADED



Sample Remote Proctoring Report



conclusion negative

FACE MATCH 96%

CREDIBILITY 0%

Student profile



Login	AA04UTF9
Name	AA04UTF9
Gender	
Age	=
Additionally	-

Proctoring session

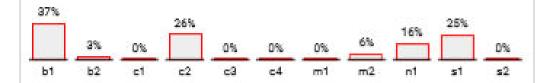
ID	MT1014903	
Subject	A024647_E227501	
Start date and time	8/28/2019, 9:43:14 AM (UTC)	
Duration	65 min	
Estimation of credibility	0%	
Face match	96%	
Conclusion	Negative	
Proctor	P=0	
Comment	(-	

Distribution of events

By time, minutes

ь1	10%	45%	100%	89%	2%	22%	68%	0%	0%	17%	4%	69%
Ь2	0%	0%	0%	0%	0%	22%	26%	0%	0%	0%	0%	0%
c1	0%	0%	0%	0%	0%	D%	0%	0%	0%	0%	0%	0%
c2	4%	43%	100%	82%	2%	0%	3%	0%	7%	1%	29%	3%
c3	2%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%
c4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
m1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
m2	7%	5%	2%	3%	1.0%	7%	20%	0%	6%	7%	10%	4%
n1	0%	0%	0%	0%	0%	0%	60%	100%	40%	0%	0%	0%
51	0%	44%	100%	97%	7%	D%	20%	0%	0%	0%	0%	0%
s 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	6	12	. 17	22	28	33	39	44	50	55	60	66

By events



Legend

b1 = focus changed to a different window

b2 = full-screen mode is disabled

c1 = webcam is disabled

c2 = no face in front of camera

c3 = several faces in front of camera

c4 - unidentified face in front of camera

m1 - microphone is muted or low volume

m2 = conversation or noise in the background

n1 = no network connection

s1 = no video from screen

s2 - additional display is connected



Report Types







Learner feedback - Periodic

Content

Faculty

Program

Governance

Program Snapshot

Detailed analysis of performance and engagement

Interventions and course corrections



Online report/leader board access to learners

My-Performance in modules

My-Performance w.r.t to class

Periodic Gradebook

Attendance

Assignment / Case study completion

Performance (MCQ + Code-a-thon)

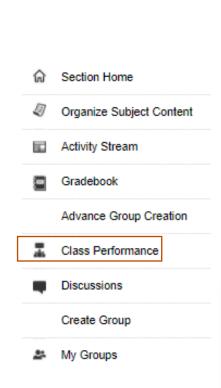
Soft skills grades

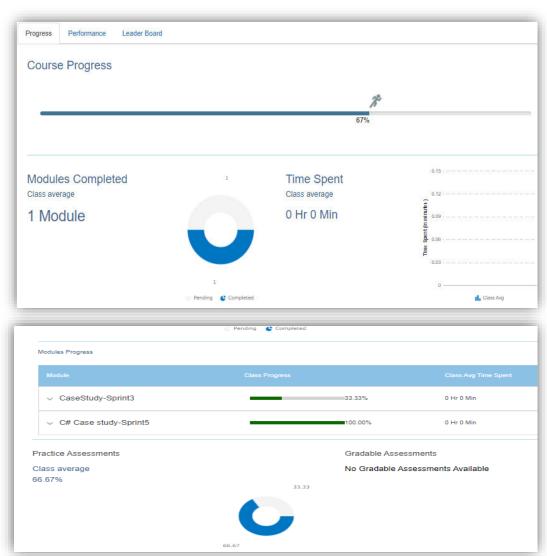
Qualitative Feedback (Engagement, Technical, Discipline and Infra availability)

Github link

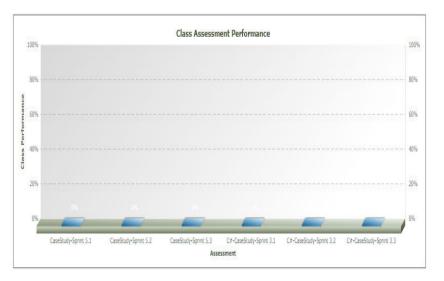


Management Dashboards





Assessment Performance





Assessment Name	* Student Graded	Class Performance	
C#-CaseStudy-Sprint 3.1	1/1	0.00%	
C#-CaseStudy-Sprint 3.2	0/1	NA	
C#-CaseStudy-Sprint 3.3	0/1	NA	
CaseStudy-Sprint 5.1	1/1	0.00%	
CaseStudy-Sprint 5.2	1/1	0.00%	
CaseStudy-Sprint 5.3	1/1	0.00%	

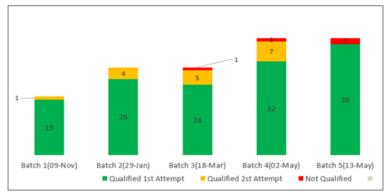
Showing 1 to 6 of 6 entries

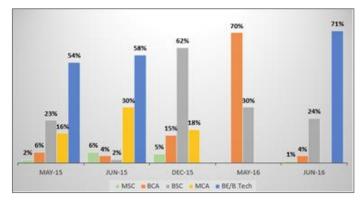


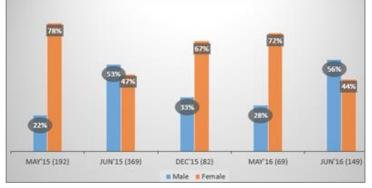


Custom Reports/Dashboards

- LMS access to key client representatives to track progress of their learners
- Attendance Reports / Faculty feedback on Learner progress / Performance reports and more
- Additional Reports can be provided based on requirements from clients
- LMS to be integrated into client's IT Systems for seamless data flow







Batch Performance

Ed	ucation	Qua	litic	ation
		Inte	To	

Module Name	Campus to Corpora te	SPT	Communic ation skills 1	SE&SSAD	Team Building	OOPS	OOAD & UML	Testing	Basic Unix & Shell Scripting	DBMS (Using Oracle)	Intr. To Client Server Archi	HTML,CSS & JAVA SCRIPT
End Date	28-May	31-May	01-Jun	03-Jun	04-Jun	06-Jun	09-Jun	11-Jun	16-Jun	16-Jun	24-Jun	27-Jun
	4.48	-	-	-	4.95	-	-	-	-		-	-
	4.64	-	4.7	-	4.81	-	-	-	-	-	-	-
	-	4.26	-	-	-	-			4.5	-	-	-

Faculty Feedback

Learner Demographics

		•	•		
Range	2016-B1	2016-B2	Total	Total	Results
	Count	Count	Count	%	Status
60 & above	31	31	62	90	Pass
50-59	4	3	7	10	Fail
40-49					Fail
30-39					Fail
20-29					Fail
	35	34	69		

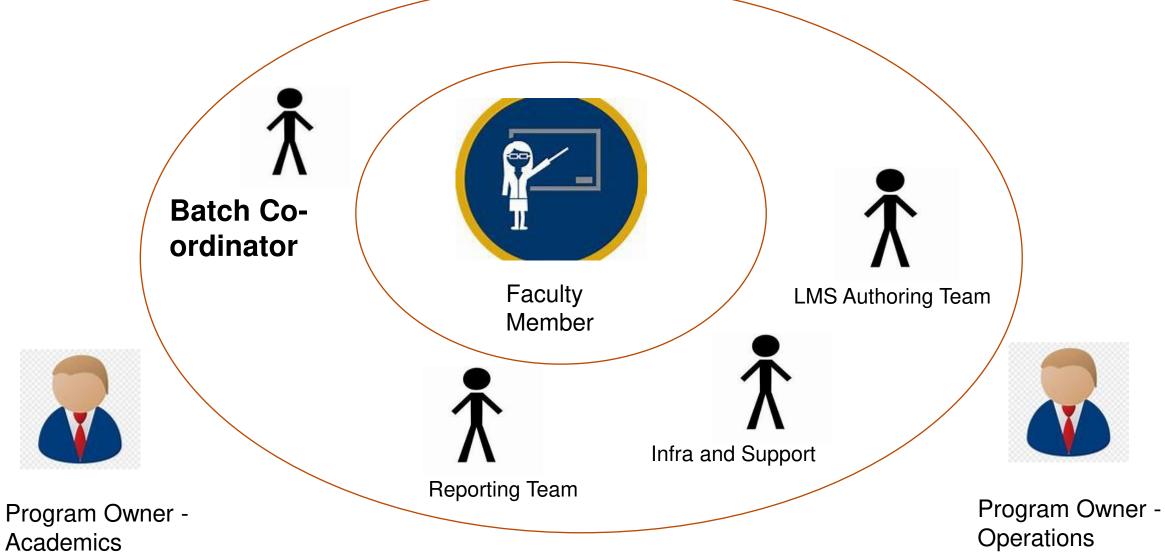
Assessment Result Dashboard







Program Management





Operations Review and Governance – Structure

	Program Management Office (PMO)	Governance Council (GC)
unext	 Head of Program Head of Operations Student Engagement Officer 	 COO U-next Learning Account Management representative Members of PMO
Client Stakeholders	Representatives from L&D	Head L&DOther representatives from business teams

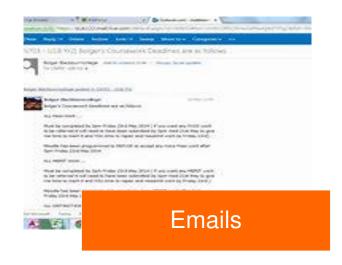


Operations Review and Governance – Execution

- Operations Review Meeting
 - Frequency: Once a week
 - Attendees: PMO members, special invitees if any
- Governance Council Meeting
 - Frequency: Once a month
 - Attendees: GC members, special invitees if any
- PMO members to have regular communication to resolve immediate issues

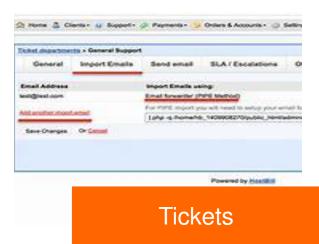


Notifications and Engagement





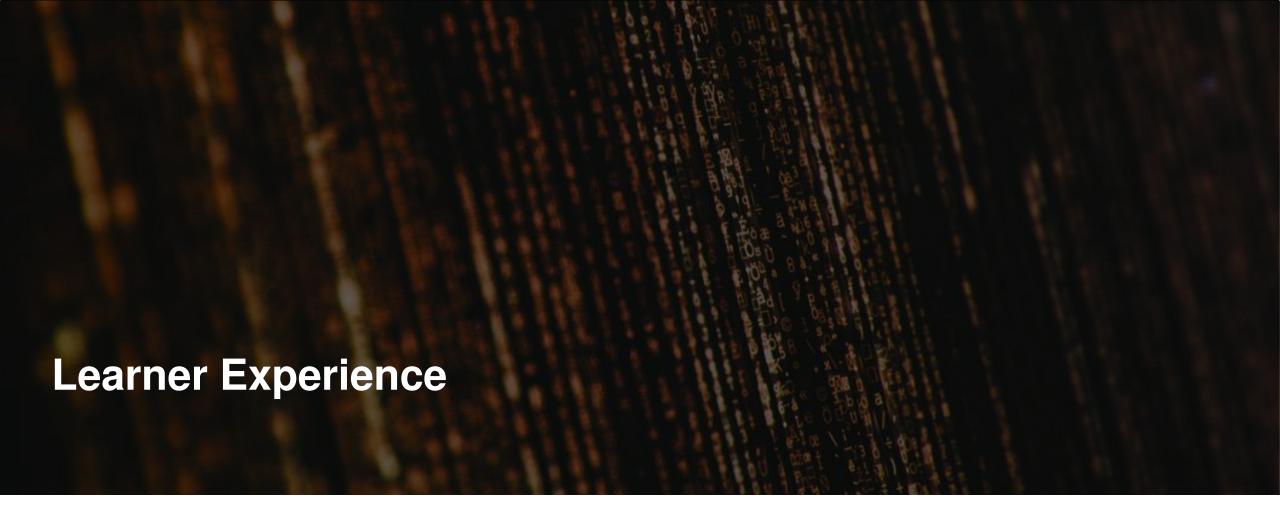






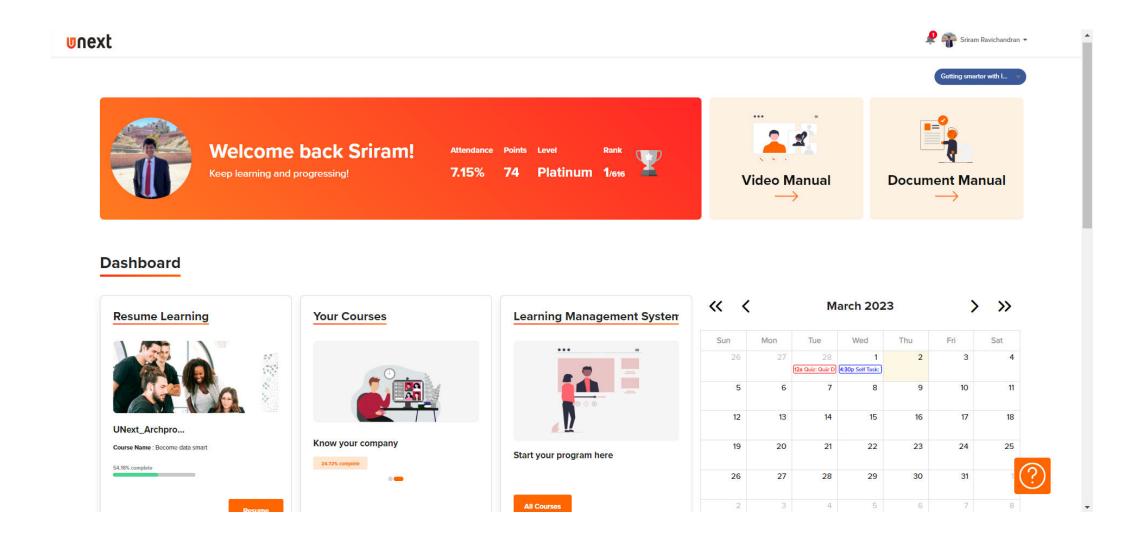






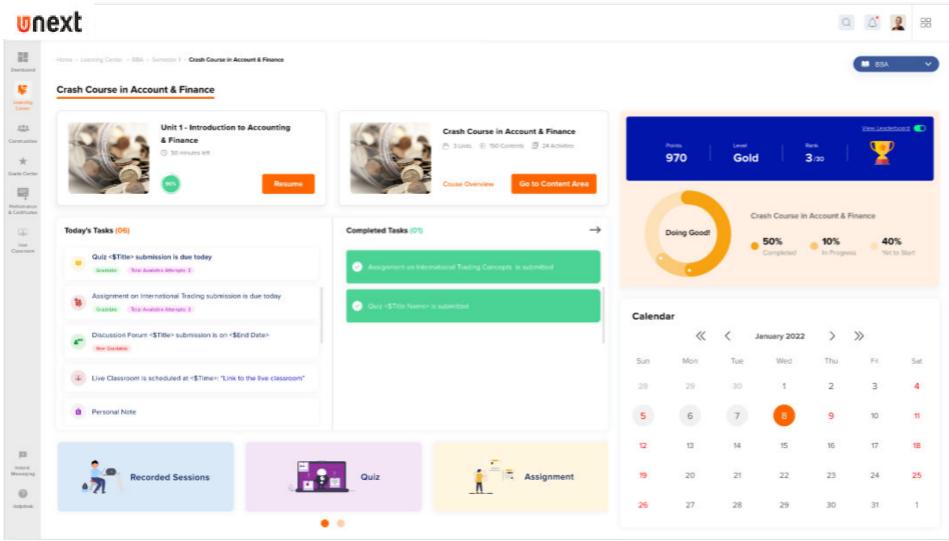


Learner Overall Dashboards



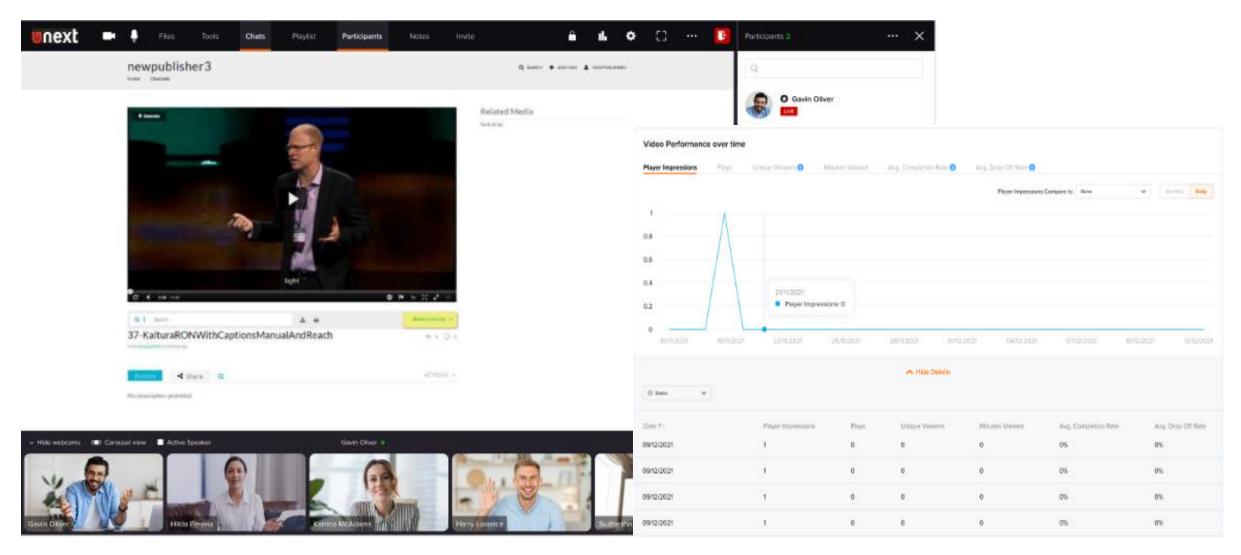


Learner Course Dashboards





Live Classroom with Kaltura

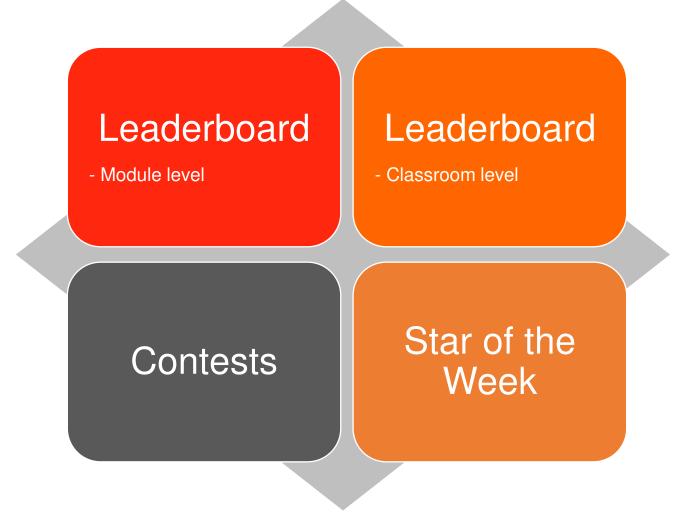








Gamification



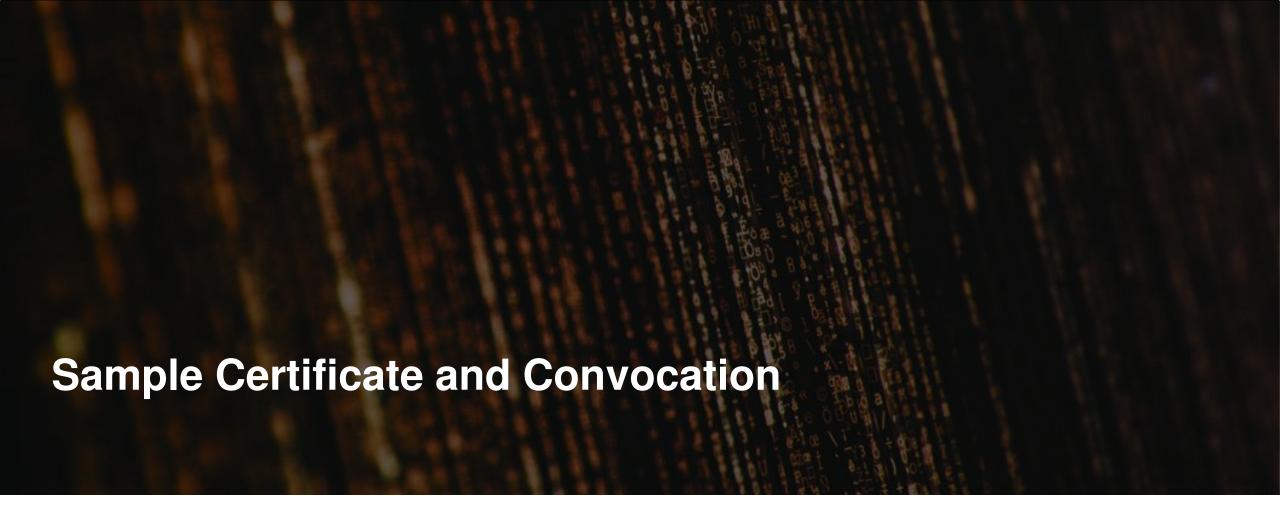


Leaderboards

My Batch Performance

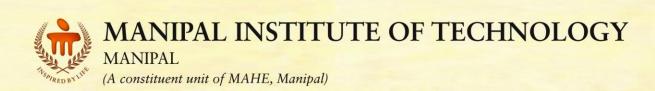
erview Le	eader Board My College					
The score	es below reflect scores from quiz	and assignment submission	s			
ourse P	rogress					
200						
86.23%						
⁄ly Badg	ges and Points					
/Jy Badg	ges and Points	Roll No		Assessment I	Percentage	
Rank		Roll No CAPG1218JA1513		Assessment I	Percentage	
Rank	Student Name				Percentage	
Rank 154	Student Name Sri Bharathi Sathi				Percentage	
Rank 154 Batch Ra	Student Name Sri Bharathi Sathi ank					
Rank 154 Batch Ra	Student Name Sri Bharathi Sathi ank				Percentage Search:	
Rank 154 Batch Ra	Student Name Sri Bharathi Sathi ank		♦ Roll No			•
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Sample Certification from University



This is to certify that

MANOJKUMAR NAGASAMPIGE

has been conferred

Post graduate Certificate in Advanced Tech Services Engineering

(Duration 6 Months)

having fulfilled the prescribed requirement in August 2022

Director

Manipal Institute of Technology

Conferred online on August 17, 2022.

Reg. No.: 151300003 Sl. No.: MAHE0123039



Sample Co Branded Certification





Convocation Ceremony





Key Recommendations

For an aspirational program its important to generate interest and curiosity. Some of the key steps would be as follows:





